

Converting Colors

CIELCh(51, 71.916, 286.106)

Have a look what the booklet for
CIELCh(51, 71.916, 286.106)
contains.

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Color

CIELCh(51, 71.817, 286.028)

Conversions

Conversions Part 1

Format	Color
Hex	0576F1
RGB	5, 118, 241
RGB Percent	2%, 46%, 95%
CMY	0.9788, 0.5382, 0.0560
CMYK	0.98, 0.51, 0.00, 0.06
HSL	211°, 96%, 48%
HSV	211°, 98%, 94%
XYZ	22.3517, 19.2686, 85.5380
YIQ	98.2350, -106.8310, 14.2970

Conversions

Conversions Part 2

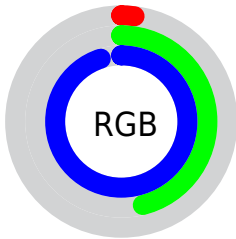
Format	Color
RYB	5, 81, 241
Decimal	358129
CIELab	51.00, 19.83, -69.03
CIELCh	51, 71.817, 286.028
Yxy	19.2686, 0.1758, 0.1515
Android (android.graphics.Color)	4278548209 (0xFF0576F1)
YUV	98.2350, 70.3831, -81.7671
Hunter-Lab	43.8960, 14.0734, -84.8083

Details

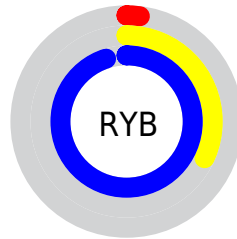
The CIELCh color **51, 71.817, 286.028** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **65, 80.123, 62.438**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.753, 276.431**, and **34, 70.101, 293.373** is the 20% darker color. If you saturate the color by 10%, you get **50, 73.543, 286.986**, and if you desaturate by 10%, it is **55, 64.312, 281.556**.

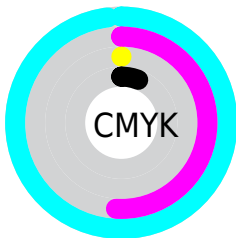
Distribution



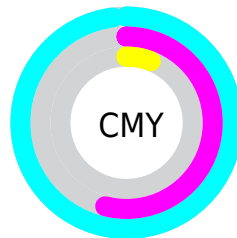
- Red (2%)
- Green (46%)
- Blue (95%)



- Red (2%)
- Yellow (32%)
- Blue (95%)



- Cyan (98%)
- Magenta (51%)
- Yellow (0%)
- Black (6%)



- Cyan (98%)
- Magenta (54%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 71.817, 286.028 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 51, 71.817, 286.028 by changing the saturation by 10% instead.

■ 51, 71.817,
286.028

■ 51, 71.817,
286.028

■ 100, 71.817,
286.028

■ 41, 71.817,
286.028

■ 71, 71.817,
286.028

■ 31, 71.817,
286.028

■ 81, 71.817,
286.028

■ 21, 71.817,
286.028

■ 91, 71.817,
286.028

■ 11, 71.817,
286.028

■ 1, 71.817, 286.028

■ 0, 71.817, 286.028

■ 51, 71.817,
286.028

■ 51, 71.817,
286.028

■ 50, 73.543,
286.986

■ 55, 64.312,
281.556

■ 59, 57.022,
277.246

■ 63, 49.855,
273.308

■ 67, 42.713,
269.835

■ 72, 35.521,
266.846

■ 77, 28.241,
264.311

■ 81, 20.864,
262.175

■ 86, 13.401,

260.384

■ 91, 5.875, 258.902

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51, 71.817, 286.028



65, 80.123, 62.438

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51, 71.817, 286.028



51, 71.817, 336.028



51, 71.817, 106.028



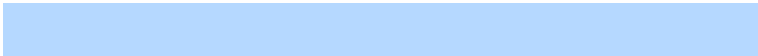
51, 71.817, 156.028

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51, 71.817, 286.030



85, 22.827, 262.439



84, 83.396, 150.084



43, 15.631, 263.328



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 71.817, 286.030



53, 77.071, 287.131



31, 127.030, 306.177



48, 4.286, 259.133



38, 58.983, 286.182



9, 22.244, 278.676

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52, 80.557, 3.998



55, 84.455, 5.151



92, 92.397, 103.913



47, 5.976, 345.649



39, 66.036, 4.130



8, 29.252, 357.313

Previews

White Background



This preview shows how the CIE LCh color 51, 71.817, 286.028 looks on a white background.

Color Contrast Check

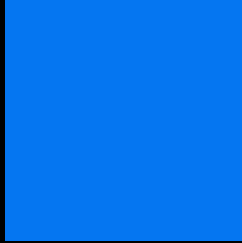
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 71.817, 286.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

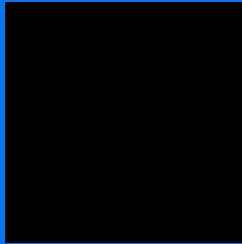
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

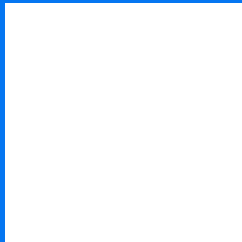
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 71.817, 286.028

Background



This preview shows how black text looks on a background with the CIELCh color 51, 71.817, 286.028.

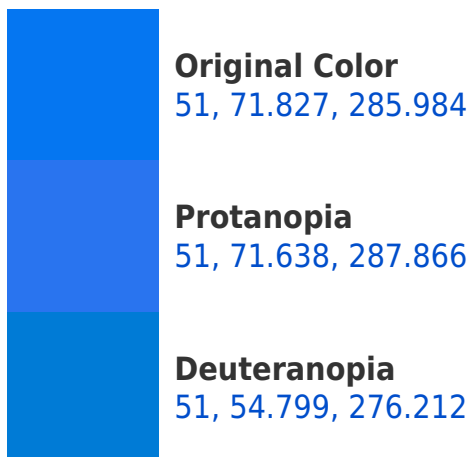


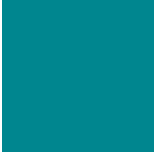
This preview shows how white text looks on a background with the CIELCh color 51, 71.817, 286.028.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
51, 30.076, 206.799

Trichromacy



Original Color
51, 71.827, 285.984

Protanomaly
51, 71.730, 286.909

Deuteranomaly
51, 61.061, 280.534

Tritanomaly
50, 36.614, 253.231

Monochromacy



Original Color
51, 71.827, 285.984

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 28.919, 269.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 71.817, 286.028 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(5, 118, 241)` looks like.

```
.text, #text, p{  
    color:rgb(5, 118, 241)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(5, 118, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 118, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 71.817, 286.028 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(5, 118, 241) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(5, 118, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(5, 118, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 118, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 118, 241);  
box-shadow:4px 4px 4px 4px rgb(5, 118,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 71.817, 286.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 118, 241) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(5, 118,  
241) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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